



IBM Applied Data Science Capstone Project

ALTERNATIVE CITIES TO LIVE IN THE US FROM THE TOP 3 STATES OF POPULATION

Description of the problem and the background

Abstract

Find the alternative cities to live in the United States of America from the top three states of Population based on the 2019 data.

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Introduction

The Data is collected from the Wikipedia about the cities of the three states. Now, the data collected is queried for the location and on the popularity of the venue for the proper classification of the cities to be chosen by the personals.

Background

Over the past decade, New York, California and Illinois are the fastest growing states in the United States. These are the most populous incorporated states of the United States including designations, including city, town, village, borough and municipality. (Based on the Wikipedia source for the year 2019 https://en.wikipedia.org/wiki/List_of_United_States_cities_by_population)

In this project, my focus is on studying about the towns and cities of these states, collecting the data sources of the population and related details about the three states and analyzing them to find and guide a better place among these three states that have all the satisfying amenities like better workplace, living space and settling with family.

Problem

Once the settlements increase in the towns and cities of these three states, the cost of living are skyrocketing. But, due to the work opportunities, we are pushed to select a best out of the situation within these places. The cities like Los Angeles, San Diego and San Jose in California, Hempstead, Brookhaven and Islip in New York and Chicago, Aurora and Rockford in Illinois are the most populous among these states. Through this project, I am trying to give a suggestion for people who would love to settle in these states other than these most populous cities but still avail all or the utmost features of the above cities of these three popular states of USA.

Audience

The primary audience of this study might include realtors and potential home buyers/renters in these regions. The findings could also be used by the entrepreneurs looking to open new businesses or even a way of fostering outreach and partnerships among the municipal chambers of commerce.

Data

I. Sources

To obtain a list of cities of these states, we'll scrape Wikipedia for a list of cities in New York, California and Illinois. We'll use the Foursquare venue recommendation to obtain a list of the most popular venues for each city and query location data (latitude/longitude) using the Mapquest Geocoding in order to map all the cities and visualize the clusters. Check out the References for the data sources used in the project.

References

- [1.] https://en.wikipedia.org/wiki/List_of_United_States_cities_by_population
- [2.] https://en.wikipedia.org/wiki/List_of_towns_in_New_York
- [3.] https://en.wikipedia.org/wiki/List_of_cities_and_towns_in_California
- [4.] https://en.wikipedia.org/wiki/List_of_municipalities_in_Illinois
- [5.] <https://api.foursquare.com/v2/venues/explore?>
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